

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/pera

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Hartman Windows and Doors, LLC. 531 Southern Boulevard West Palm Beach, FL 33405

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "European Mahogany Clipped/Unclipped" Wood and Steel Mullion - L.M.I

APPROVAL DOCUMENT: Drawing No. **M07–01**, titled "Clipped/Unclipped Wood & Steel Mullion", sheets 1 through 7 of 7, dated 05/08/07, with revision C dated 02/20/12, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P. E., bearing the Miami–Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises and renews NOA# 09-0610.09 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

MIAMI-DADE COUNTY
APPROVED

1/1/5/12

NOA No. 12-0402.10 Expiration Date: December 27, 2017 Approval Date: July 12, 2012 Page 1

Hartman Windows and Doors, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. M07–01, titled "Clipped/Unclipped" Wood & Steel Mullion", sheets 1 through 7 of 7, dated 05/08/07, with revision C dated 02/20/12, prepared by Al–Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of outswing entrance doors with sidelites, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5191**, dated 02/19/07, signed and sealed by Michael Wenzel, P.E.

(Submitted under previous NOA# 07-0918.02)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked—up drawings and installation diagram of outswing doors with sidelites and transom, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-4941, dated 12/11/06, signed and sealed by Michael Wenzel, P.E. (Submitted under previous NOA# 07-0918.02)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al-Farooq Corporation, dated 02/13/12, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

Manuel Perez, P.E. Product Control Examiner

NOA No. 12-0402.10

Expiration Date: December 27, 2017 Approval Date: July 12, 2012

Hartman Windows and Doors, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

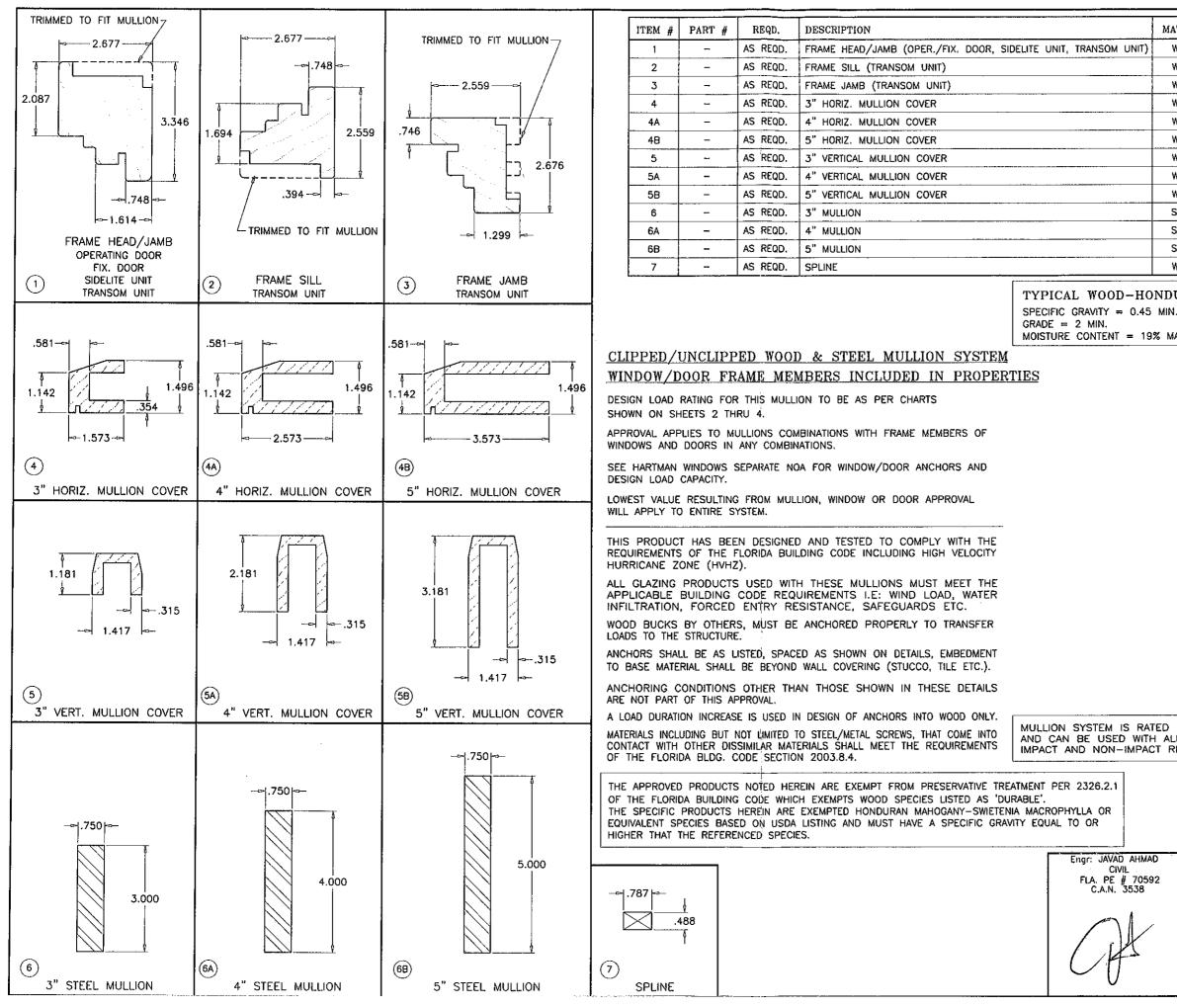
- 1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated February 13, 2012, signed and sealed by Javad Ahmad, P.E.
- 2. Laboratory compliance letter for Test Report no. FTL-5191, issued by Fenestration Testing Laboratory, Inc., dated 03/21/07, signed and sealed by Michael Wenzel, P. E. (Submitted under previous NOA# 07-0918.02)
- 3. Laboratory compliance letter for Test Report no. FTL-4941, issued by Fenestration Testing Laboratory, Inc., dated 02/15/07, signed and sealed by Michael Wenzel, P. E. (Submitted under previous NOA# 07-0918.02)

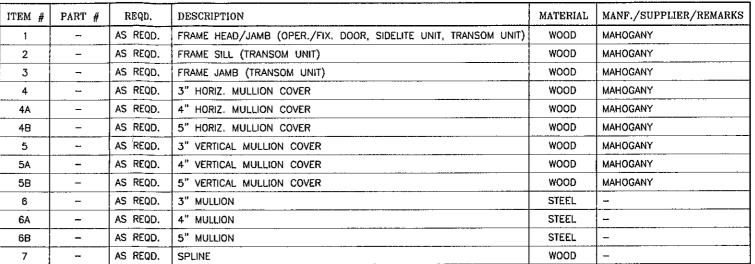
G. OTHER

1. Notice of Acceptance No. **09-0610.09**, issued to Hartman Windows and Doors, LLC for their Series "European Clipped/Unclipped" Wood and Steel Mullion - L.M.I., approved on 08/19/09 and expiring on 12/27/12.

Manuel Perek, P.E. Product Control Examiner NOA No. 12-0402.10

Expiration Date: December 27, 2017 Approval Date: July 12, 2012





TYPICAL WOOD-HONDURES MAHOGANY LUMBER

MOISTURE CONTENT = 19% MAX

MULLION SYSTEM IS RATED FOR LARGE MISSILE IMPACT. AND CAN BE USED WITH ALL MIAMI-DADE COUNTY APPROVED IMPACT AND NON-IMPACT RESISTANT PRODUCTS.

> Engr: JAVAD AHMAD CIVIL FLA. PE # 70592

PRODUCT REVISED as complying with the Florida **Building Code** Acceptance No 12-0402. Expiration Date DEC. 27.

MAR 2 3 2012

AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 MULLION C

DOORS,

STEEL

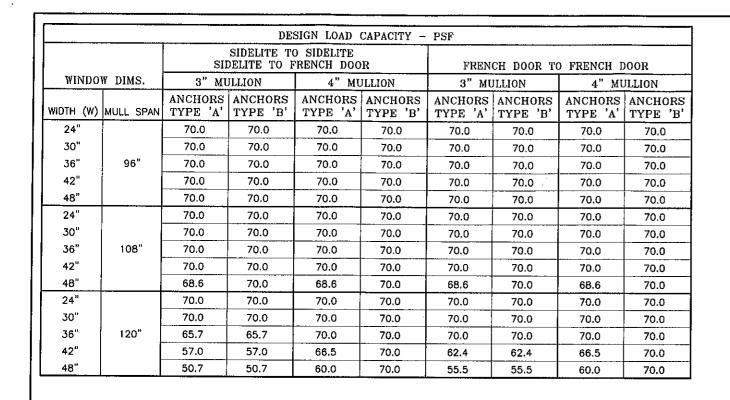
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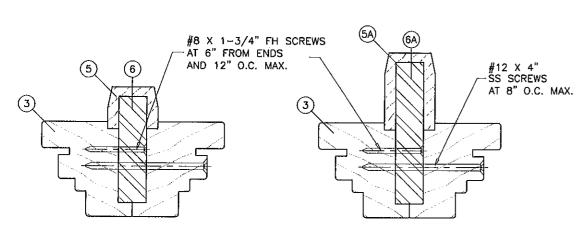
WOOD

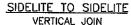
HARTMAN WINDOWS 51 SOUTHERN BLVD.EST PALM BEACH, F11. (561) 296-9600

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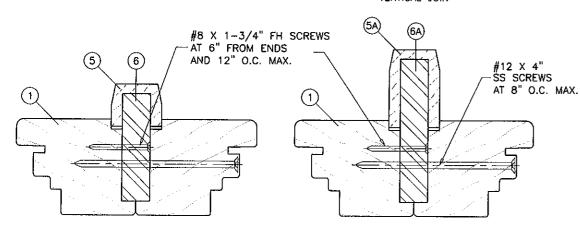
drawing M07 - 01sheet $1 \text{ of } \overline{7}$







SIDELITE TO SIDELITE VERTICAL JOIN

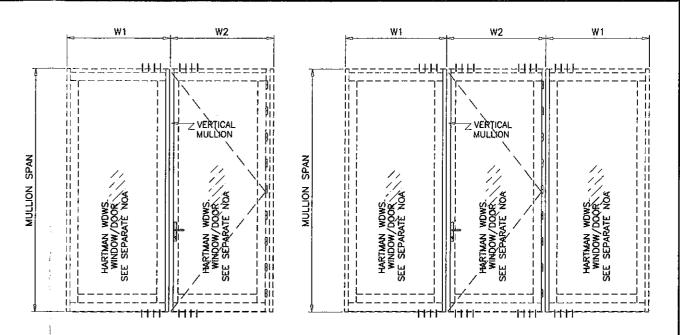


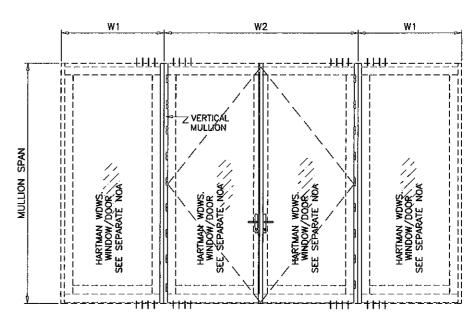
FRENCH DOOR TO FRENCH DOOR VERTICAL JOIN

FRENCH DOOR TO FRENCH DOOR VERTICAL JOIN

3" MULLION

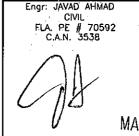
4" MULLION





W1 + W2WIDTH (W) =

SEE SHEET 5 FOR ANCHORS TYPE 'A'. SEE SHEET 6 FOR ANCHORS TYPE 'B'.



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-1 Expiration Date

By Walle Sero.

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

MULLION

CLIPPED/UNCLIPPED WOOD & STEEL

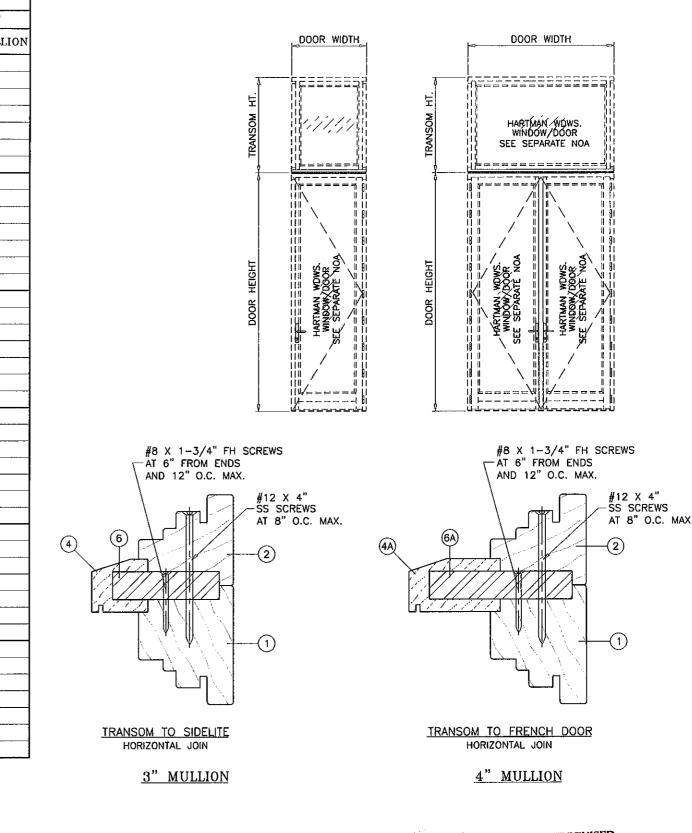
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DOORS,

HARTMAN WINDOWS & DOORS 531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (361) 296–9600 FAX. (561) 2

MO / sheet 2 of 7

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	r	ESIGN LOAD	CAPACITY	··· · · · · · · · · · · · · · · · · ·		D	ESIGN LOAD	CAPACITY	
	OMINAL DIN			TYPE 'A'		OMINAL DIN		ANCHOR	
OPNG. WIDTH INCHES	DOOR HEIGHT	TRANSOM HEIGHT	3" MULLION	4" MULLION	OPNG. WIDTH INCHES	DOOR HEIGHT INCHES	TRANSOM HEIGHT	3" MULLION	4" MULLI
		12	70.0	70.0			12	70.0	70.0
		18	70.0	70.0			18	70.0	70.0
		24	70.0	70.0			24	70.0	70.0
72		30	70.0	70.0	72		30	70.0	70.0
		36	70.0	70.0			36	70.0	70.0
i		42	70.0	70.0			42	70.0	70.0
		48	70.0	70.0			48	70.0	70.0
		12	70.0	70.0			12	70.0	70.0
		18	70.0	70.0			18	70.0	70.0
		24	70.0	70.0			24	70.0	70.0
84	84	30	70.0	70.0	84	108	30	70.0	70.0
		36	70.0	70.0			36	69.5	70.0
		42	70.0	70.0			42	67.3	70.0
		48	70.0	70.0			48	65.3	70.0
		12	70.0	70.0			12	62.9	70.0
		18	70.0	70.0			18	60.0	70.0
		24	70.0	70.0			24	57.4	70.0
96		30	66.8	70.0	96		30	55.1	70.0
		36	63.8	70.0			36	53.0	69.2
		42	61.2	70.0			42	51.2	66.3
		48	58.9	70.0			48	49.6	64.0
		12	70.0	70.0			12	70.0	70.0
		18	70.0	70.0			18	70.0	70.0
		24	70.0	70.0			24	70.0	70.0
72		30	70.0	70.0	72		30	70.0	70.0
		36	70.0	70.0			36	70.0	70.0
		42	70.0	70.0			42	70.0	70.0
		48	70.0	70.0	1		48	70.0	70.0
	96	12	70.0	70.0	84	120	12	70.0	70.0
		18	70.0	70.0			18	70.0	70.0
		24	70.0	70.0			24	68.8	70.0
84		30	70.0	70.0			30	66.3	70.0
		36	70.0	70.0			36	64.1	70.0
		42	70.0	70.0			42	62.2	70.0
		48	70.0	70.0			48	60.5	69.8
		12	69.9	70.0		ĺ	12	57.2	70.0
		18	66.3	70.0			18	54.8	70.0
		24	63.2	70.0			24	52.6	70.0
96		30	60.4	70.0	96		30	50.6	67.5
		36	57.9	70.0			36	48.9	64.5
		42	55.8	70.0			42	47.4	62.1
		48	53.9	68.6			48	46.0	60.0
								• • • • • • • • • • • • • • • • • • • •	



SEE SHEET 5 FOR ANCHORS TYPE 'A'.

PRODUCT REVISED Engr: JAVAD AHMAD as complying with the Florida Building Code 12.0402 II CIVIL FLA. PE # 70592 C.A.N. 3538 Building Code Acceptance No 12-0402.10 Expiration Date DEC.271,2017 Miani Dade Product Control

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scale: 3/8" | # | # | # | # | drawing no. M07 - 01

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05-08-07

| C 02.20.12 | NO CHANGE THIS SHEET

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FAX. (305)

TEL. (305) 264-8100

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174

STEEL MULLION

CLIPPED/UNCLIPPED WOOD &

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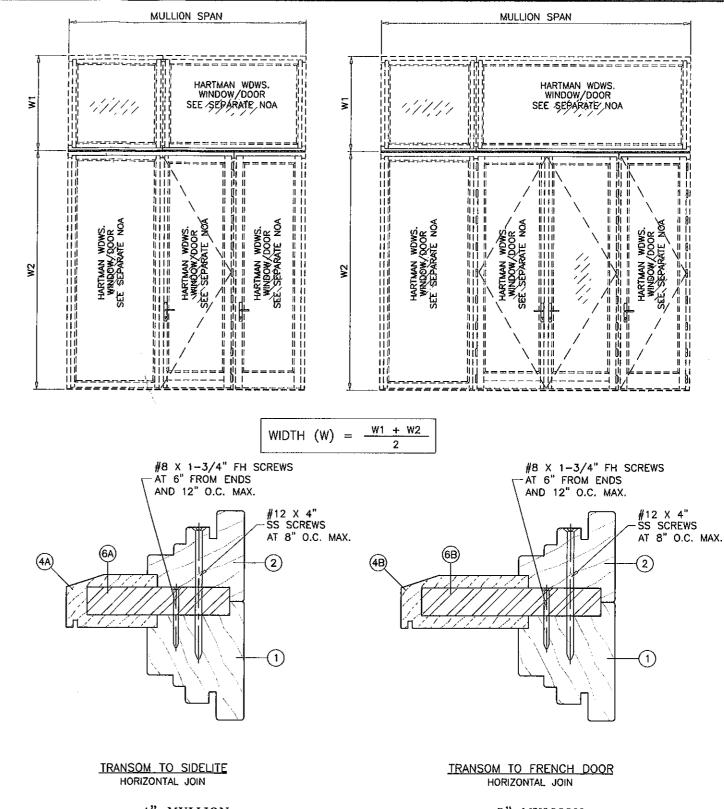
DOORS,

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HARTMAN WINDOWS & 531 SOUTHERN BLVD.
WEST PALM BEACH, FL TEL. (561) 296-9600 FAX

sheet 3 of 7

DESIGN LOAD CAPACITY - PSF							
WINDO	W DIMS.	ANCHOR TYPE 'C'					
]	3/4" X 4"	3/4" X 5"				
	MULL SPAN	STEEL BAR	STEEL BAR				
48"	96"	70.0	70.0				
54"		70.0	70.0				
60"		70.0	70.0				
66"		70.0	70.0				
72"		70.0	70.0				
78"		69.2	70.0				
84"		64.3	70.0				
48"		70.0	70.0				
54"	108"	70.0	70.0				
60"		70.0	70.0				
66"		64.6	70.0				
72"		59.3	70.0				
78"	<u> </u>	54.7	70.0				
84"		50.8	65.7				
48"		70.0	70.0				
54"		64.0	70.0				
60"	120"	57.6	70.0				
66"		52.4	70.0				
72"	-	48.0	69.0				
78"		44.3	63.7				
84"		41,1	59.1				
48"	-	59.5	70.0				
54"		52.9	70.0				
60"	ļ.	47.6	70.0				
66"	132"	43.3	67.6				
72"		39.7	62.0				
78"	-	36.6	57.2				
84"		34.0	53.1				
48"	-	49.7	70.0				
54"	144"	44.2	69.4				
60"		39.8	62.5				
66"		36.2	56.8				
72" 78"		33.2	52.1				
78" 84"		30.6	48.1				
48"			44.6				
48 54"	 	39.1	66.6				
60"	156"	34.8	59.2				
66"		31.3	53.3				
72"			48.4				
72 78"	ļ		44.4				
84"	-		41.0				
U-1			38.0				



4" MULLION

SEE SHEET 7 FOR ANCHORS TYPE 'C'.

<u>5" MULLION</u>

Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538 PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No /2-0402.10
Expiration Date DEC. 27, 2017
By Maull Jule
Miami/Dade Product Control

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MAR 2 3 2012

DOORS, LLC ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33.174

TEL. (305) 264-8100 FAX. (305) 262-6978 (561) 296-9601

CLIPPED/UNCLIPPED WOOD & STEEL MULLION
HARTMAN WINDOWS & DOORS, LLC
531 SOUTHERN BLVD.
WEST PALM BEACH, FL 33405
TEL. (561) 296–9600 FAX. (561) 296–9601

date: 05-08-07

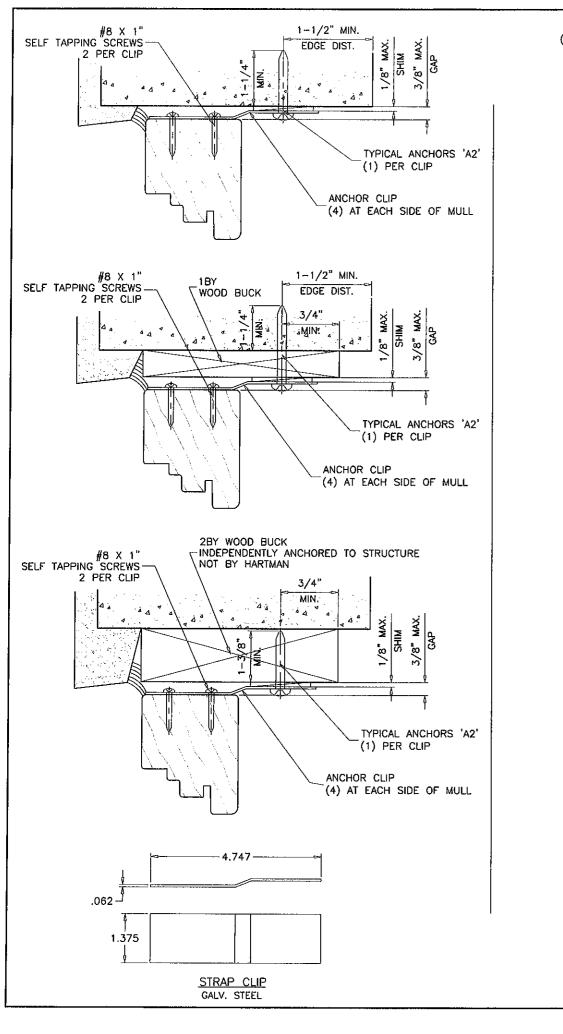
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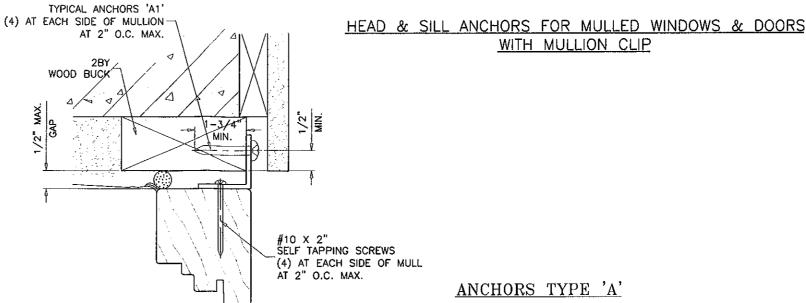
dr. by: HAMID

chk. by:

drawing no. MO7-01

sheet 4 of 7





TYPICAL ANCHORS 'A1'

AT 2" O.C. MAX?

MIN.

(4) AT EACH SIDE OF MULLION

/2"

ANCHORS TYPE 'A'

ANCHORS THRU STRAP CLIPS & ALUM ANGLE

WITH MULLION CLIP

TYPE 'A1'- #10 SMS

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-1/2" MIN, PENETRATION INTO WOOD

TYPE 'A2'- 3/16" DIA, ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-3/8" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

INTO CONCRETE AND MASONRY = 1-1/2" MIN. (UNLESS SPECIFIED INTO WOOD STRUCTURE = 3/4" MIN. (UNLESS SPECIFIED)

ANCHORS CL TO CL DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 3/4" MIN. (UNLESS SPECIFIED)

CONCRETE f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

.125---1.500 -1.500 ->

WOOD BUCK

SELF TAPPING SCREWS

AT 2" O.C. MAX.

(5) AT EACH SIDE OF MULL

#10 X 2"

ALUMINUM ANGLE CONT. (6063-T5)

> Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0402. Expiration Date DEC. 27, 2017 By Maull Plan
Miami Dade Product Control

MAR 2 3 2012

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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

MULLION ILC DOORS, CLIPPED/UNCLIPPED WOOD & STEEL 33405 AX. (561) સ્ર HARTMAN WINDOWS & 531 SOUTHERN BLVD.
WEST PALM BEACH, FL.
TEL. (561) 296–9600 FAX

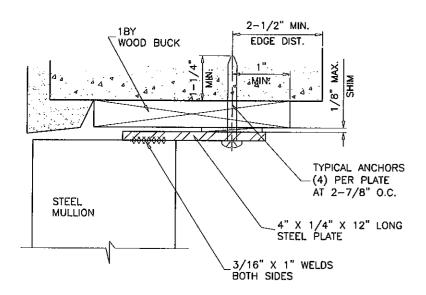
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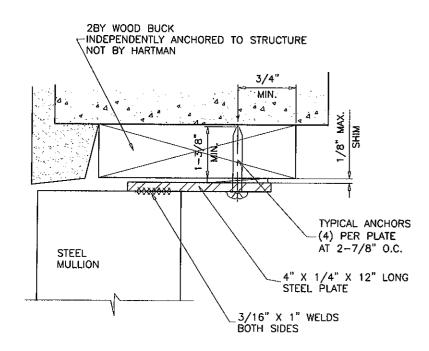
3/8" 05 scale: à || ਜ਼ || ਝੁੱ

drawing no. M07 - 01

sheet 5 of 7

2-1/2" MIN. EDGE DIST. TYPICAL ANCHORS (4) PER PLATE AT 2-7/8" O.C. STEEL MULLION 4" X 1/4" X 12" LONG STEEL PLATE 3/16" X 1" WELDS BOTH SIDES





HEAD & SILL ANCHORS FOR MULLED WINDOWS & DOORS WITH STEEL PLATE

ANCHORS TYPE 'B'

ANCHORS THRU STEEL PLATE

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-3/8" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN, EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

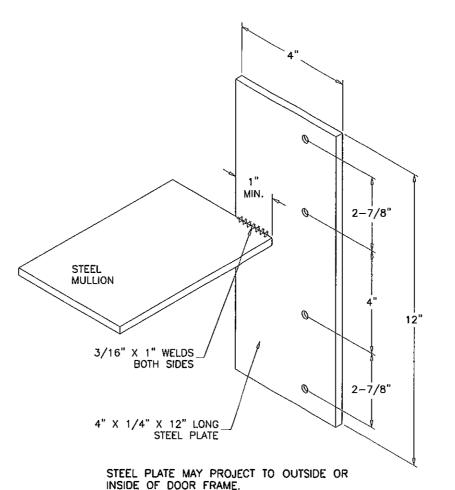
INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN.

ANCHORS CL TO CL DISTANCE

INTO CONCRETE AND MASONRY = 2-7/8" MIN. INTO WOOD STRUCTURE = 1" MIN.

CONCRETE f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

ALL OTHER ANCHORS NOT DESCRIBED HEREIN TO BE AS PER DOOR OR FIXED LITE NOA'S.



Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

PRODUCT REVISED as complying with the Florida **Building Code** Acceptance No 12-0402.10 Expiration Date DEC. 27, 2017

By Maull Sures

MAR 2 3 2012

(305) 262-69 FAX.

2 CORPORATION
ODUCT DEVELOPMENT

AL-FAROOQ (
ENGINEERS & PRODI
1235 S.W. 87 AVE
MIAMI, FLORIDA 333 TEL (305) 264-8100

DOORS,

MULLION

STEEL

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CLIPPED/UNCLIPPED WOOD

HARTMAN WINDOWS & DOOR: 531 SOUTHERN BLVD. WEST PALM BEACH, FL 33405 TEL. (561) 296–9600 FAX. (561) 2

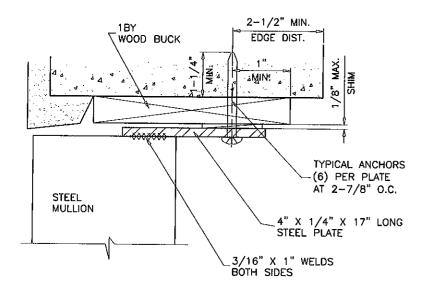
revisions:
no date
A 10.26.07
B 04.17.09
C 02.20.12

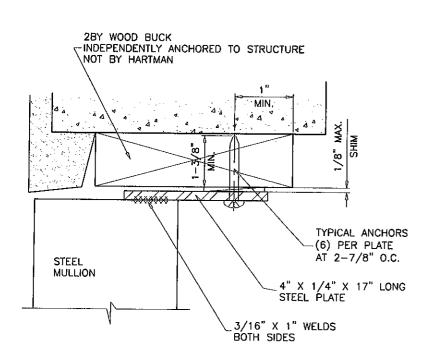
05-08-07 HAMID 3/8" <u>خ</u> ∬કં∬કેં

drawing no. M07 - 01

sheet 6 of 7

2-1/2" MIN. EDGE DIST. TYPICAL ANCHORS (6) PER PLATE AT 2-7/8" O.C. STEEL MULLION 4" X 1/4" X 17" LONG STEEL PLATE 3/16" X 1" WELDS BOTH SIDES





HEAD & SILL ANCHORS FOR MULLED WINDOWS & DOORS WITH STEEL PLATE

ANCHORS TYPE 'C'

ANCHORS THRU STEEL PLATE

1/4" DIA, ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-3/8" MIN. PENETRATION INTO WOOD

THRU WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

ANCHOR EDGE DISTANCES

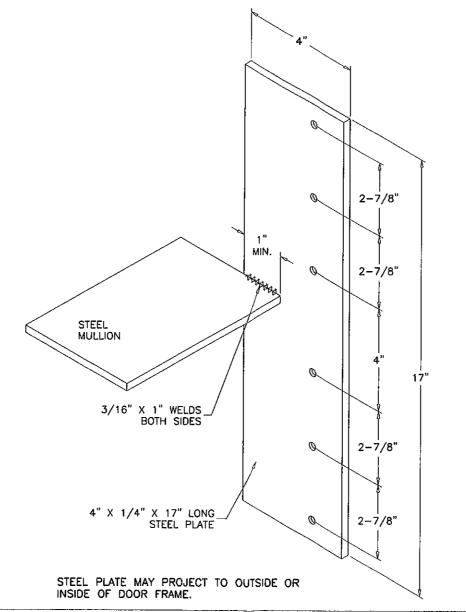
INTO CONCRETE AND MASONRY = 2-1/2" MIN. INTO WOOD STRUCTURE = 1" MIN.

ANCHORS CL TO CL DISTANCE

INTO CONCRETE AND MASONRY = 2-7/8" MIN. INTO WOOD STRUCTURE = 1" MIN.

CONCRETE f'c = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

ALL OTHER ANCHORS NOT DESCRIBED HEREIN TO BE AS PER DOOR OR FIXED LITE NOA'S.



Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0402.10 Expiration Date DEC. 21,2017

MAR 2 3 2012

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174

MULLION S, LLC & STEEL MUI 33405 4X. (561)

ৠ CLIPPED/UNCLIPPED WOOD & HARTMAN WINDOWS & 531 SOUTHERN BLVD.
WEST PALM BEACH, FL 3. TEL. (561) 296–9600 FAX.

05-08-07 HAMID 3/8" <u>ئ</u> څ | **5**

drawing no. M07 - 01

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